



BD™ Intraosseous Vascular Access System

Competency Checklist

Indications for Use

The BD™ Intraosseous Vascular Access System provides intraosseous access in the proximal tibia, distal tibia and humeral head (*proximal humerus*) of adult and pediatric patients, and the distal femur in pediatric patients, when intravenous access is difficult or impossible to obtain in emergent, urgent, or medically necessary cases for up to 24 hours.

Contraindications

This device is contraindicated when the following exist or are suspected to exist:

- Fracture in target bone
- Excessive tissue (*i.e., severe obesity*)
- Absence of adequate anatomical landmarks
- Bone disease (*i.e., osteoporosis, etc.*)
- Infection at the insertion site
- Previous significant orthopedic procedure at the insertion site
- Prosthetic limb or joint near the insertion site
- Intraosseous access at the same insertion site in the past 48 hours
- Sternal use

Please consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions and directions for use.



BD, Franklin Lakes, NJ, 07417, U.S.

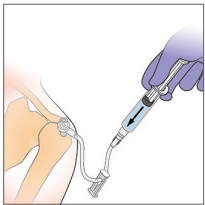
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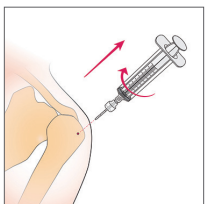
Insertion

Utilize asepsis technique throughout entire procedure.



1. Don personal protective equipment.
2. Prepare intraosseous supplies and prime extension set.
3. Properly locate insertion site.
4. Clean insertion site with CHG or alcohol pad.
5. Select appropriately sized BD™ Intraosseous needle.
6. Check battery life indicator on powered driver.
7. Connect BD™ Intraosseous Needle Set to the powered drill.
8. Correctly insert the needle set into medullary capillary.
 - Position the needle at a 90-degree angle to the skin.
 - Insert the needle set until the needle tip touches bone.
 - Confirm that you see at least 5 mm mark of the needle visible outside of the skin.
 - Apply moderate, steady pressure when squeezing the trigger to penetrate the bone cortex.
9. Place the drive adapter hub assembly in sharps container.
10. Attach primed extension set to the needle hub.
11. Aspirate marrow/blood to confirm proper placement of needle.
12. Use BD™ securement device to properly secure the needle.
 - Confirm skin around insertion site is intact.
 - Properly clean and dry the insertion area for optimal adhesion.
 - Open the center snap feature of the securement dressing.
 - Snap the feature closed around the needle hub.
 - Attach the adhesive of the securement dressing by pulling the tabs.
 - Press adhesive against the skin for proper stabilization.
13. Clean BD™ Intraosseous Powered Driver following Instructions For Use.

Removal



14. Remove the extension set and dispose of in an appropriate hazardous container.
15. Remove securement dressing and dispose of it in an appropriate hazardous container.
16. Attach a Luer-Lock syringe to the hub of the needle. Rotate clockwise and withdraw simultaneously.
17. Dispose of needle in sharps container.
18. Cover insertion site with sterile gauze/dress site per agency/institutional policy.

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